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Priority in DBMS Resource Scheduling

MJ Carey, R Jauhari, M Livny - VLDB, 1989 - vldb.org
... number of **priority** levels increases. As an example, consider Figure 2.1. where the
disk is currently servicing the **request** to **access** track 642 in the **queue** of ...
Cited by 86 - View as HTML - Web Search - acm.org - portal.acm.org - all 4 versions » - Library Search

Access protection for fairness in a distributed queue dual bus metropolitan area network

J Filipiak - ICC - ieeexplore.ieee.org
... We develop the **Access** Protection and **Priority** Control (APPC ... only for the packet which
issued a **request** but also ... procedures than Process 1. If the **queue** is not ...
Cited by 11 - Web Search - ieeexplore.ieee.org

... architectures for reducing priority inversion and non-determinism in real-time object request ...

DC Schmidt, S Mungee, S Flores-Gaitan, A Gokhale - Real-Time Systems, 2001 - springerlink.com
... from the excessive context switching and synchronization required to manage the
request queue, as well as **request-** level **priority** inversion caused ...
Cited by 74 - Web Search - at.linuxfromscratch.org - isis.vanderbilt.edu - download.at.kde.org - all 18 versions »

The FODA-TDMA satellite access scheme: presentation, study of the system, and results

N Celandroni, E Ferro - IEEE Transactions on Communications, 1991 - ieeexplore.ieee.org
... queues for datagram traffic, because higher **priority** is given ... is the **queue** length
of the data waiting to be sent ... the weight of the traffic in the user **request**. ...
Cited by 21 - Web Search - ieeexplore.ieee.org - adsabs.harvard.edu - csa.com - all 5 versions »

Priority oriented channel access for cellular systems serving vehicular and portable radio ...

D Hong, SS Rappaport - IEE Proceedings, 1989 - ieeexplore.ieee.org
... NY 11794, USA call attempt is initially denied **access** because of ... scheme con- (3)
sidered here gives **priority** to hand ... user are attempt is in the **queue**, a channel ...
Cited by 37 - Web Search - ieeexplore.ieee.org

Design and analysis of arbitration protocols

F El Guibaly - IEEE Transactions on Computers, 1989 - doi.ieeecs.org
... 8(c), two processors (1 and 2) **request access** to the bus ... Processor 1 now freezes
its **priority** register to indicate that it is next in the **queue**. ...
Cited by 9 - Web Search - doi.ieeecomputersociety.org - portal.acm.org - csdl.computer.org - all 9 versions »

DQMA and CRMA: New Access Schemes for Gbit/s LANs and MANs

HR Muller, MM Nassehi, JW Wong, E Zurfluh, W Bux, ... - Proc. INFOCOM, 1990 - ieeexplore.ieee.org
... are implemented by providing each node with a separate **request queue** for each **priority**
level, and serving queues according to **queue** priorities. ...
Cited by 19 - Web Search - ieeexplore.ieee.org

Cycle Time Properties of the PROFIBUS Timed Token Protocol

E Tovar, F Vasques - Computer Communications, 1999 - paginas.fe.up.pt
... on a master's action frame (**request** or send/**request** frame) and the ... that the queuing
delay depends on the high **priority** outgoing **queue** policy, which ...
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A Methodology for Implementing Highly Concurrent Data Objects - Herlihy (1993) (Correct) (171 citations)
programmer to design, say, a correct non-blocking **priority queue**, without ending up with a publishable
to design, say, a correct non-blocking **priority queue**, without ending up with a publishable result.
ensure that only one process at a time is allowed **access** to the object. Nevertheless, critical sections
crl.dec.com/pub/Digital/CRL/tech-reports/91.10.ps.Z

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Exploiting Choice: Instruction Fetch and Issue on.. - Tullsen, Eggers.. (1996) (Correct) (144 citations)
unit. We also investigate alternative thread **priority** mechanisms for fetching. A primary impact of
Decode Register Renaming floating point instruction **queue** integer instruction **queue** fp units int/ld-store
plus more to enable register renaming. **Access** to such a large register file will be slow,
www.csrd.uiuc.edu/~ece412/papers/tullsen_ISCA96.ps.gz

Unix as an Application Program - Golub, Dean, Forin, Rashid (1990) (Correct) (130 citations)
a multi-level feedback **queue** scheduler with 32 **priority** levels. Because all Unix application tasks are
by the Mach kernel using a multi-level feedback **queue** scheduler with 32 **priority** levels. Because all
is a Mach port to which messages can be sent **request**ing or transmitting memory object data. Memory
ftp.stna.dgac.fr/pub/system/mach/mach3_intro.usenix90.ps.gz

Wait-Free Synchronization - Herlihy (1993) (Correct) (120 citations)
common data types such as sets, **queues**, stacks, **priority queues**, or lists, 2) most if not all the
networks [11, 15]and typed objects such as **queues** or sets from simpler objects [14, 18, 20]It is
others, and some memory locations may be slower to **access**. A wait-free implementation of a concurrent data
www.cs.brown.edu/courses/cs196a/toplas.ps

The Standard Template Library - Stepanov, Lee (1995) (Correct) (105 citations)
.55 11.1.3 **Priority queue** .
.54 11.1.2 **Queue** .
.9 5.5 Random **access** iterators .
ftp.cs.rpi.edu/pub/stl/doc.ps.gz

A Continuous Media Player - Rowe, Smith (1992) (Correct) (78 citations)
an event driven process that uses a time-ordered **priority queue**. Events come from many sources including
play video)The CM Server has a time-ordered play **queue** to synchronize the playing of audio and video
data from several packets into playable units, **requests** retransmission of missing packets, etc.
www-plateau.cs.berkeley.edu/ftp/pub/multimedia/papers/CMPlayer.ps.Z

Beyond Multiprocessing - Multithreading the SunOS Kernel - Eykholt, Kleiman.. (1992) (Correct) (78 citations)
point in the kernel, and elimination of unbounded **priority** inversions wherever possible. The kernel itself
as asynchronous writes to disk, servicing STREAMS **queues**, and callouts. This removes various diversions in
in kernel memory or memory allocation) these **requests** can come from interrupt handlers and can involve
sunsite.unc.edu/pub/sun-info/development-tools/multi-threaded/beyond_mp.ps

Auction Protocols for Decentralized Scheduling - Wellman, Walsh, Wurman.. (1998) (Correct) (67 citations)
as first-come first-served, shortest-job-first, **priority**-first, and combinations thereof-do not
generally possess these properties. For example, **queue**-position schemes are insensitive to relative
for instance, the problem of scheduling network **access** for programs representing various users on the
www-personal.umich.edu/~jmm/./papers/scheduling.pdf

Enhancing throughput over wireless LANs using.. - Bhagwat.. (1996) (Correct) (67 citations)
Experiments Were Conducted Only For A Csma/ca **Priority** Ack Mac Protocol, We Expect That The Insights
Earliest Timestamp First(ETF)and Largest **Queue** First(LQF) schedulers with the dynamics of
1 Introduction Growing user demand for tetherless **access** to computing resources is likely to increase the

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INFOCOM '99. Eighteenth Annual Joint Conference of the IEEE Computer and Societies. Proceedings. IEEE
Volume 2, 21-25 March 1999 Page(s):551 - 558 vol.2
Digital Object Identifier 10.1109/INFCOM.1999.751389

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☐ 2. **Quality of service support over switched Ethernet**
Pandey, A.; Alnuweiri, H.M.;
Communications, Computers and Signal Processing, 1999 IEEE Pacific Rim C
22-24 Aug. 1999 Page(s):353 - 356
Digital Object Identifier 10.1109/PACRIM.1999.799549

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☐ 3. **Priority-driven, preemptive I/O controllers for real-time systems**
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Computer Architecture, 1988. Conference Proceedings. 15th Annual Internatio on
30 May-2 June 1988 Page(s):152 - 159
Digital Object Identifier 10.1109/ISCA.1988.5224

AbstractPlus | Full Text: PDF(724 KB)   IEEE CNF

☐ 4. **Concurrent access of priority queues**
Nageshwara, R.V.; Kumar, V.;
Computers, IEEE Transactions on
Volume 37, Issue 12, Dec. 1988 Page(s):1657 - 1665
Digital Object Identifier 10.1109/12.9744

AbstractPlus | Full Text: PDF(816 KB)   IEEE JNL

☐ 5. **Performance analysis of space-priority mechanisms in an input and outp ATM switch**
Lee, J.Y.; Un, C.K.;
Communications, IEE Proceedings-
Volume 144, Issue 4, Aug. 1997 Page(s):229 - 236

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☐ 6.
A queuing priority channel access protocol for voice/data integration on of microcellular mobile radio networks
Nofal, M.; El-fishawy, N.; El-atty, S.A.;